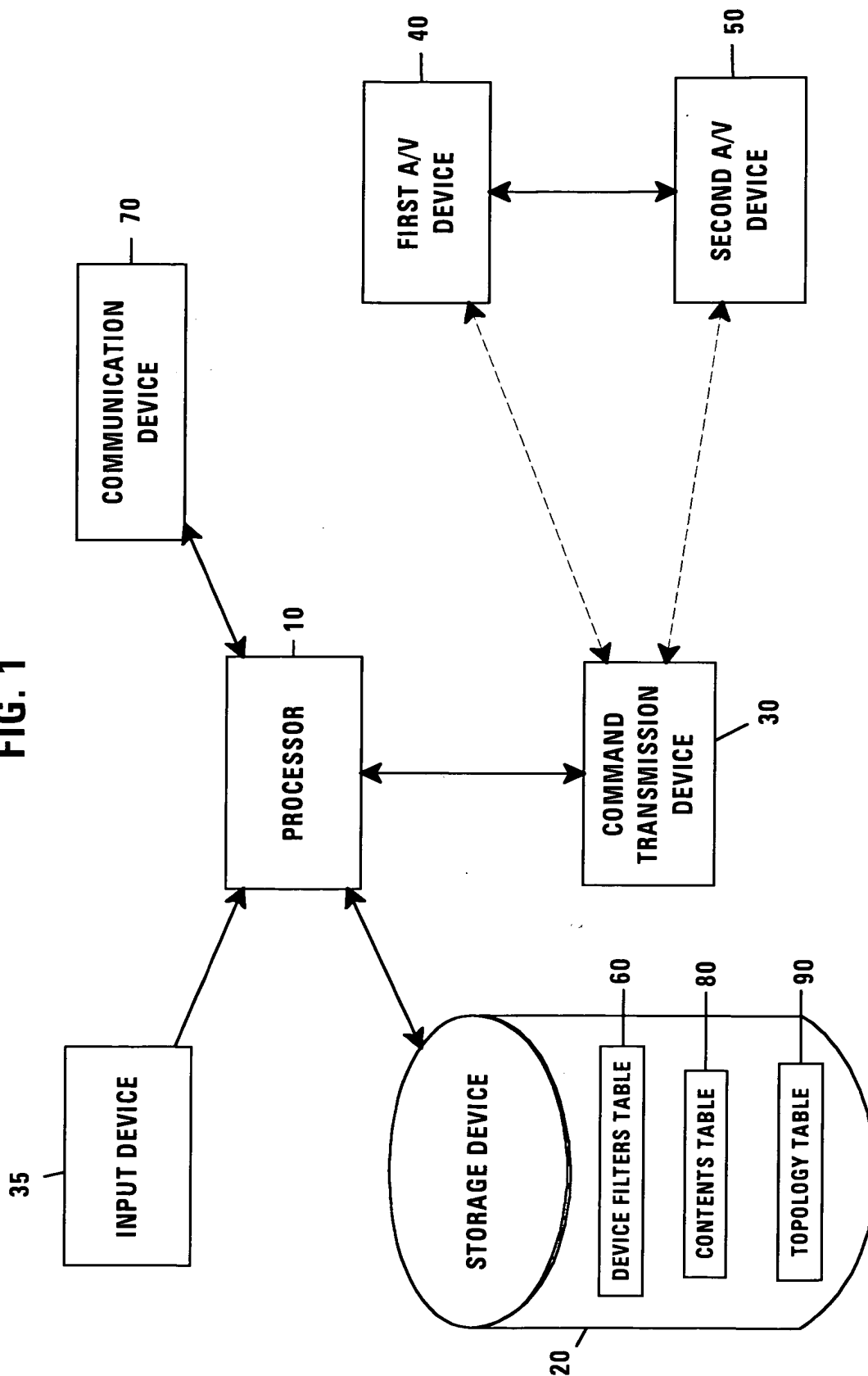


FIG. 1



**DEVICE FILTERS TABLE**

NAME	PINS	LOCATION
Set_top_box	VideoOut	Living Room
VCR	VideoIn, VideoOut	Living Room
•		
•		
•		
TV_1	VideoIn, AuxIn	Living Room

**FIG. 2A**

60

**PINS TABLE**

PIN IDENTIFIER	MEDIA TYPE	SUPPORTED FUNCTIONS (ACTIVITY VERBS)
Set_top_box.VideoOut	Video	Watch
VCR.VideoIn	Video	Record
VCR.VideoOut	Video	Play
•		
•		
•		
TV_1.VideoIn	Video	Watch
TV_1.AuxIn	Video	Watch

**FIG. 2B**

62

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**FIG. 3**

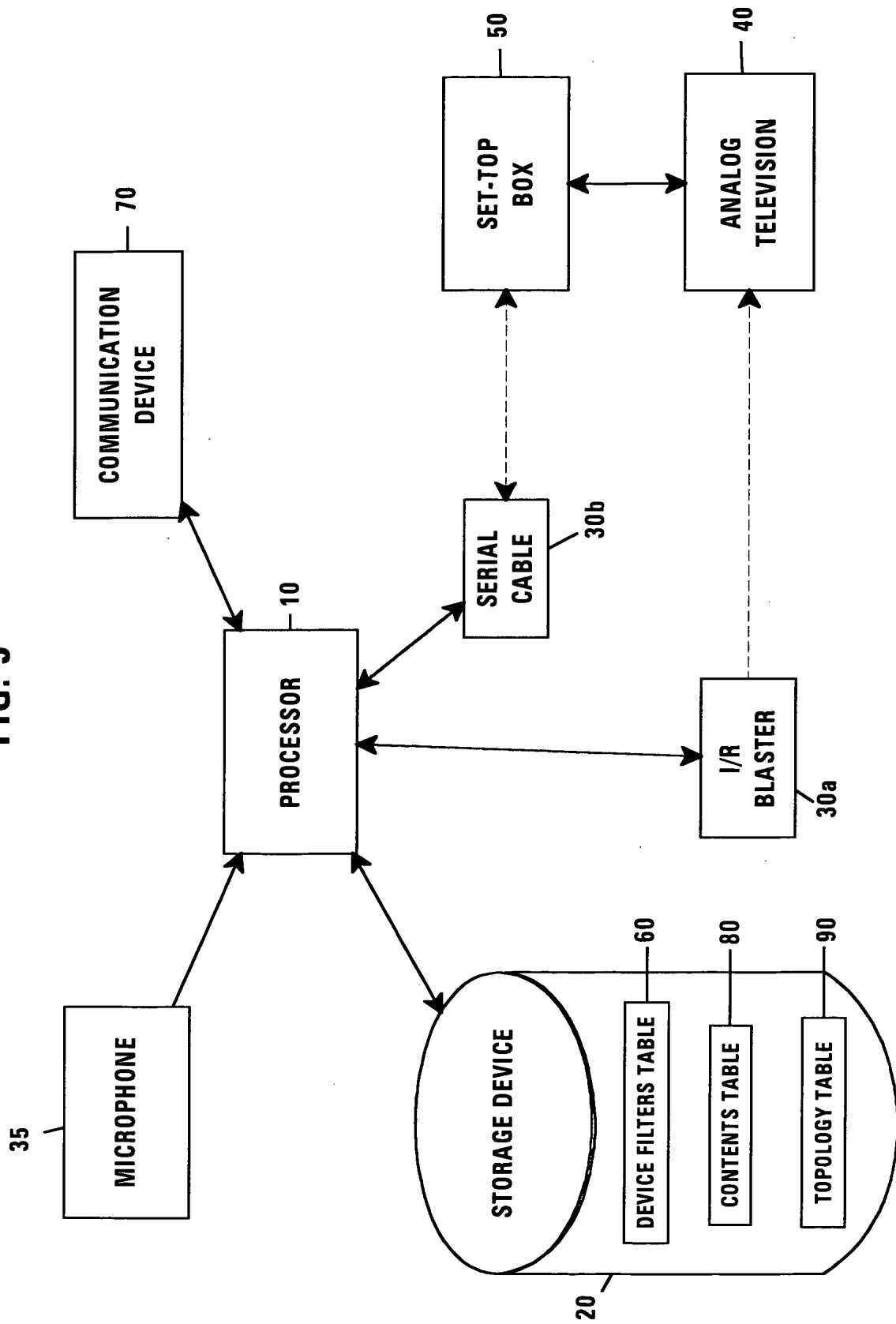
80

[illegible]

**FIG. 4**

90

FIG. 5



RECEIVE VERBAL  
COMMAND

600

DETERMINE DESIRED ACTIVITY, SOURCE  
CONTENT, AND TARGET DEVICE

602

DETERMINE SOURCE DEVICE FILTER

604

DOES  
SOURCE DEVICE FILTER SUPPORT  
DESIRED ACTIVITY?

606

NO

ERROR; PROMPT USER  
FOR INSTRUCTIONS

608

YES

ADD SOURCE DEVICE FILTER TO FILTER GRAPH

610

DETERMINE THE NEXT DEVICE FILTER TO ADD

612

ADD NEXT DEVICE FILTER

614

CONNECT PINS AND NOTIFY DEVICE FILTERS

616

ANY FURTHER PIN  
CONNECTIONS NECESSARY?

618

YES

NO

DOES THE  
RENDERING DEVICE FILTER MATCH THE  
TARGET DEVICE ?

620

NO

ERROR; PROMPT USER  
FOR INSTRUCTIONS

622

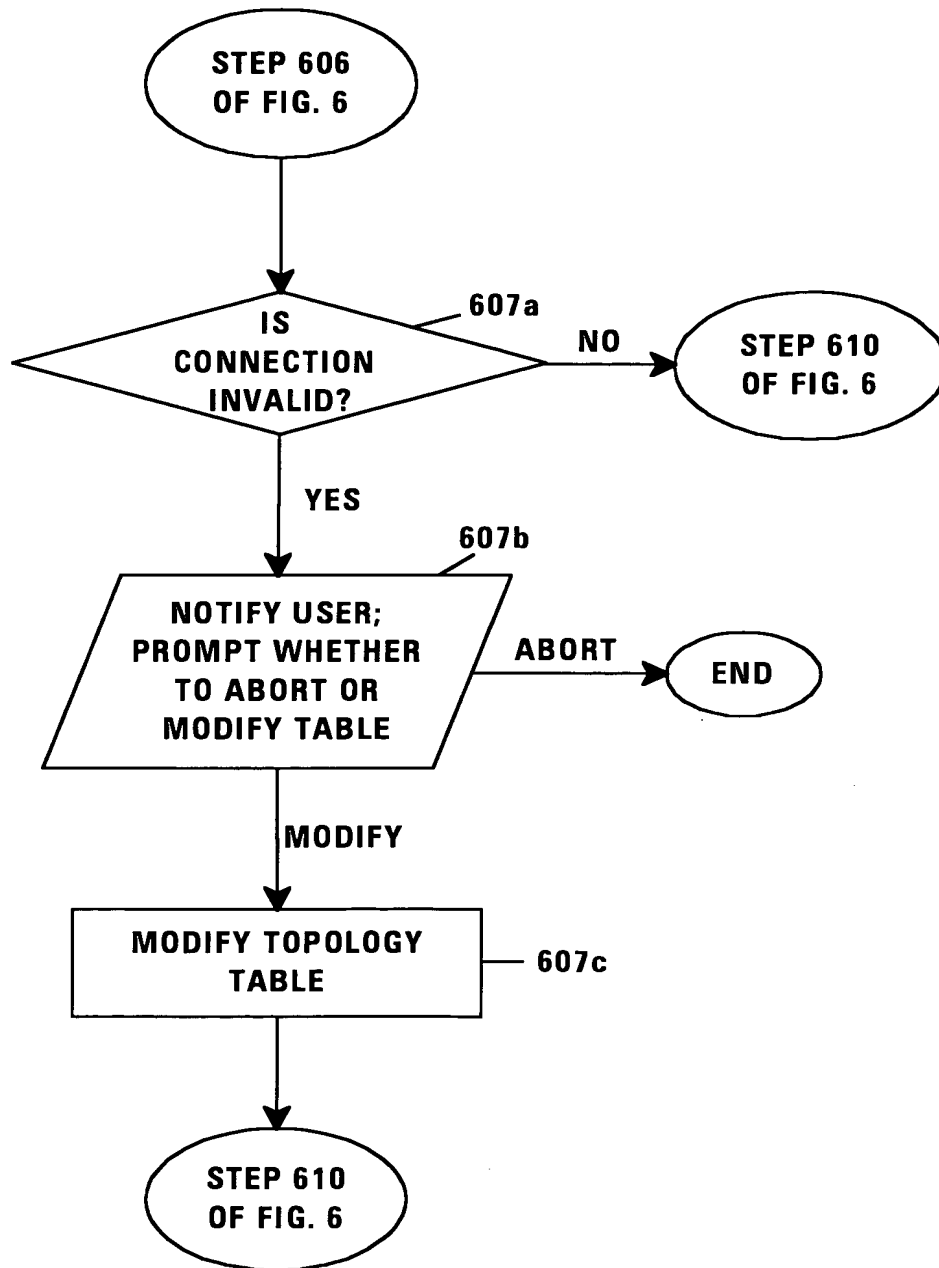
YES

END

FIG. 6

2025 RELEASE UNDER E.O. 14176

**FIG. 7**



### ALTERNATE DEVICE FILTERS TABLE

NAME	PINS	LOCATION
Set_top_box	PIN1	Living Room
VCR	PIN2, PIN3	Living Room
•		
•		
•		
TV_1	PIN4, PIN5	Living Room

FIG. 8

100

### ALTERNATE PINS TABLE

PIN ID	PIN IDENTIFIER	MEDIA TYPE	MEDIUM	SUPPORTED FUNCTIONS (ACTIVITY VERBS)	FLOW TYPE
PIN1	Set_top_box.VideoOut	Video	M1	Watch	Output
PIN2	VCR.VideoIn	Video	M3	Record	Input
PIN3	VCR.VideoOut	Video	M2	Play	Output
•					
•					
•					
PIN4	TV_1.VideoIn	Video	M1	Watch	Input
PIN5	TV_1.AuxIn	Video	M2	Watch	Output

FIG. 9

110